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Boston, MA 02109

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CORRECTED NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

08/01/2005

RECEIVED OIPE/IAP EXAMINER

CASTRO, ARNOLD

PAPER NUMBER

ART UNIT

AUG 1 1 2005

DATE MAILED: 08/01/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/698,806	10/31/2003	Ernst Wintner	TRG-319	2450

TITLE OF INVENTION: INTERNAL COMBUSTION ENGINE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	11/01/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FECS: DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

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Mark D. Lorusso Lorusso Loud & Kelly LLP 440 Commercial Street				:	Centric I hereby certify that the States Postal Service valdressed to the Mai transmitted to the USP	rtificate of Mailing or Transinis Fee(s) Transmittal is being with sufficient postage for firs I Stop ISSUE FEE address TO (571) 273-2885, on the day	mission deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
Boston, MA 02109							(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE	F	FIRST NAMED	INVEN'	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/698,806	10/31/2003		Ernst W	/intner		TRG-319	2450
TITLE OF INVENTION: IN	TERNAL COMBUSTION	ENGINE					
APPLN. TYPE	SMALL ENTITY	ISSUE FE	E	PU	BLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400			\$300	\$1700	11/01/2005
EXAM	IINER	ART UNI	T	CL	ASS-SUBCLASS]	
CASTRO,	ARNOLD	3747			123-14300B		
I. Change of correspondence CFR 1.363). Change of correspond Address form PTO/SB/12 "Fee Address" indicat PTO/SB/47; Rev 03-02 of Number is required.	Correspondence	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.					
3. ASSIGNEE NAME AND	RESIDENCE DATA TO B	E PRINTED ON T	HE PATENT	(print o	r type)		
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Please check the appropriate	assignee category or category	ries (will not be pri	nted on the pa	atent) :	☐ Individual ☐ Co	orporation or other private gro	up entity Government
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☐ Issue Fee	11 - 15 - 12 - 1 - 21		A check in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached.				
Publication Fee (No small entity discount permitted) Advance Order - # of Copies			The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/698,806	10/31/2003	Ernst Wintner	TRG-319	2450	
75	90 08/01/2005		EXAMINER		
Mark D. Lorusso	11 T.D.		CASTRO,	ARNOLD	
Lorusso Loud & Ke 440 Commercial St			ART UNIT	PAPER NUMBER	
Boston, MA 02109			3747		
			DATE MAILED: 08/01/2005		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 66 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 66 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

<u> </u>	Application No.	Applicant(s)						
	10/698,806	WINTNER ET AL.						
Notice of Allowability	Examiner	Art Unit						
	Amold Castro	3747						
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- The MAILING DATE of this communication appears on the cover sheet with the correspondence address— All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.								
1. This communication is responsive to								
2. The allowed claim(s) is/are <u>1-30</u> .								
3. The drawings filed on 31 October 2003 are accepted by the	e Examiner.							
 4. ☒ Acknowledgment is made of a claim for foreign priority ur a) ☒ All b) ☐ Some* c) ☐ None of the: 1. ☒ Certified copies of the priority documents have 	•							
2. Certified copies of the priority documents have		•						
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International Bureau (PCT Rule 17.2(a)).								
* Certified copies not received:								
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply of this application.	complying with the rec	quirements ·					
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF					
6. CORRECTED DRAWINGS (as "replacement sheets") mus	et be submitted.							
(a) I including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-	948) attached	•					
1) I hereto or 2) to Paper No./Mail Date								
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the O	iffice action of						
Identifying Indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in t			back) of					
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			Note the					
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Attachment(s)	•							
1. ☑ Notice of References Cited (PTO-892)	5. Notice of Informal Page 1	atent Application (PTC	O-152)					
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary Paper No./Mail Dat							
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 10/3/1/2003								
4. Examiner's Comment Regarding Requirement for Deposit	8. Examiner's Stateme	nt of Reasons for Allo	wance					
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Application/Control No. Applicant(s)/Patent Under Reexamination 10/698,806 WINTNER ET AL. Notice of References Cited Examiner Art Unit Page 1 of 1 **Arnold Castro** 3747 **U.S. PATENT DOCUMENTS Document Number** Date Name Classification Country Code-Number-Kind Code MM-YYYY 07-2003 Herdin et al. 123/143.00B US-2003/0136366 A1 10-2001 В US-6,305,929 B1 Chung et al. 431/254 08-2002 Early et al. 431/1 C US-6,428,307 B1 US-6,382,957 B1 05-2002 Early et al. 431/1 D 09-2004 US-6,796,278 B2 Ryan, III, Thomas W. 123/143B Ε 10-2004 Wintner et al. F US-6,802,290 B1 123/143B 11-1999 Gordon et al. US-5,983,871 A 123/538 G 02-2003 Early et al. US-6,514,069 B1 н 431/1 01-2004 ı US-6,676,402 B1 Early et al. 431/1 07-2002 Early et al. US-6,413,077 B1 431/1 J K US-5,756,924 05-1998 Early, James W. 102/201 04-2000 Feichtinger et al. US-6,053,140 A 123/143B L 11-1983 Nishida et al. US-4,416,226 123/143B FOREIGN PATENT DOCUMENTS Document Number Date Country Name Classification Country Code-Number-Kind Code MM-YYYY Ν 0 Р Q R S T **NON-PATENT DOCUMENTS** Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) w

"A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)

Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

U.S. Patent and Trademark Office PTO-892 (Rev. 01-2001)

NEW CENTRAL FAX NUMBER

Effective July 15, 2005

On <u>July 15, 2005</u>, the Central FAX Number will change to **571-273-8300**. This new Central FAX Number is the result of relocating the Central FAX server to the Office's Alexandria, Virginia campus.

Most facsimile-transmitted patent application related correspondence is required to be sent to the Central FAX Number. To give customers time to adjust to the new Central FAX Number, faxes sent to the old number (703-872-9306) will be routed to the new number until September 15, 2005.

After September 15, 2005, the old number will no longer be in service and 571-273-8300 will be the only facsimile number recognized for "centralized delivery".

CENTRALIZED DELIVERY POLICY: For patent related correspondence, hand carry deliveries must be made to the Customer Service Window (now located at the Randolph Building, 401 Dulany Street, Alexandria, VA 22314), and facsimile transmissions must be sent to the Central FAX number, unless an exception applies. For example, if the examiner has rejected claims in a regular U.S. patent application, and the reply to the examiner's Office action is desired to be transmitted by facsimile rather than mailed, the reply must be sent to the Central FAX Number.